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June 21, 2005

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Art Unit 2682

Attn: Mail Stop Amendment

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Utility Patent Application

Appl. No. 10/086,367; Filed: March 4, 2002

For: Method and System for Frequency Up-Conversion

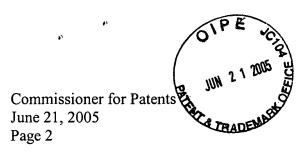
Inventors: SORRELLS *et al.*Our Ref: 1744.0020007

Sir:

Transmitted herewith for appropriate action are the following documents:

- 1. PTO Fee Transmittal Form (PTO/SB/17);
- 2. Fourth Preliminary Amendment Under 37 C.F.R. § 1.115;
- 3. One (1) return postcard; and
- 4. Credit Card Payment Form (PTO-2038) in the amount of \$2,650.00 to cover the excess claims fee.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.



The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESPAR, GOLDSTEIN & FOX P.L.L.C.

Attorney for Applicants Registration No. 35,239

MQL/BWL:apg Enclosures

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Equivalent to Form

Under the Paperwork Reduction Act of 1996 The Description of 1996 The Description October The Description October The Description October The Description October The Descriptio

Effective on	Complete if Known						
Fees pursuant to the Consolidated A	Application Number	10/086,3	10/086,367				
FEE TRAI	Filing Date	March 4	March 4, 2002				
For FY 2005			First Named Invent	or David F.	David F. SORRELLS		
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Applicant claims small entity status. See 37 CFR 1.27			Art Unit	2682			
TOTAL AMOUNT OF PAYMENT (\$) 2,650.00		2,650.00	Attorney Docket No	. 1744.0020	0007		
METHOD OF PAYMENT (che	eck all that	apply)			· · · · · ·		
Check X Credit Card Money Order None Other (please identify):							
X Deposit Account Deposit Account Number: 19-0036 Deposit Account Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.							
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)							
Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee							
Charge any additional fee(s) or underpayments of fee(s)							
under 37 CFR 1.16 and 1.17 WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card.							
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FEE CALCULATION							
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Provisional 20	00 100	0	0	0	0 -		_
2. EXCESS CLAIM FEES Small Entity Fee Description Fee (\$) Fee (\$)							
Fee Description Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent						50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent 200 100							00
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11 - 3 or HP 3 = HP = highest number of independent	8 x		600.00				
3. APPLICATION SIZE FEE	. Gamis paid to	or, ir groutor than o					
If the specification and draw	ings excee	d 100 sheets of pa	aper, the application	size fee due	is \$250 (\$12	5 for small e	ntity)
for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							
Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$)							
100 = / 50 = (round up to a whole number) x =							
4. OTHER FEE(S) Non-English Specification, \$130 fee (no small entity discount) Fees Paid (\$)							
Non-English Specification	'\	e (no sman entity	aiscount)				
Other:	##						
SUBMITTED BY	TV V						
Signature \ \ \ \ \ \ \ \	W (Registration No. (Attorney/Agent)	35,239	Telephone	(202) 371-2	600

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Name (Print/Type) Michael O. Lee

June 21, 2005

Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

SORRELLS et al.

Appl. No.: 10/086,36

Filed: March 4, 2002

For: Method and System for Frequency

Up-Conversion

Confirmation No.: 3679

Art Unit: 2682

Examiner: Pan, Y.

Atty. Docket: 1744.0020007

Fourth Preliminary Amendment Under 37 C.F.R. § 1.115

Mail Stop Amendment

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

In advance of prosecution, Applicants submit the following amendments and remarks. This Preliminary Amendment is provided in the following format:

- (A) Each section begins on a separate sheet;
- (B) Starting on a separate sheet, amendments to the specification by presenting replacement paragraphs marked up to show changes made;
- (C) Starting on a separate sheet, a complete listing of all of the claims:
 - in ascending order;
 - with status identifiers; and
 - with markings in the currently amended claims; and
- (D) Starting on a separate sheet, the Remarks.

It is not believed that extensions of time or fees for net addition of claims are required beyond those that may otherwise be provided for in documents accompanying this paper. However, if additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned 00000026 10086367

06/23/2005 HALI11 01 FC:1202 02 FC:1201

1050.00 OP 1600.00 OF

under 37 C.F.R. § 1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account No. 19-0036.